

ENCODER

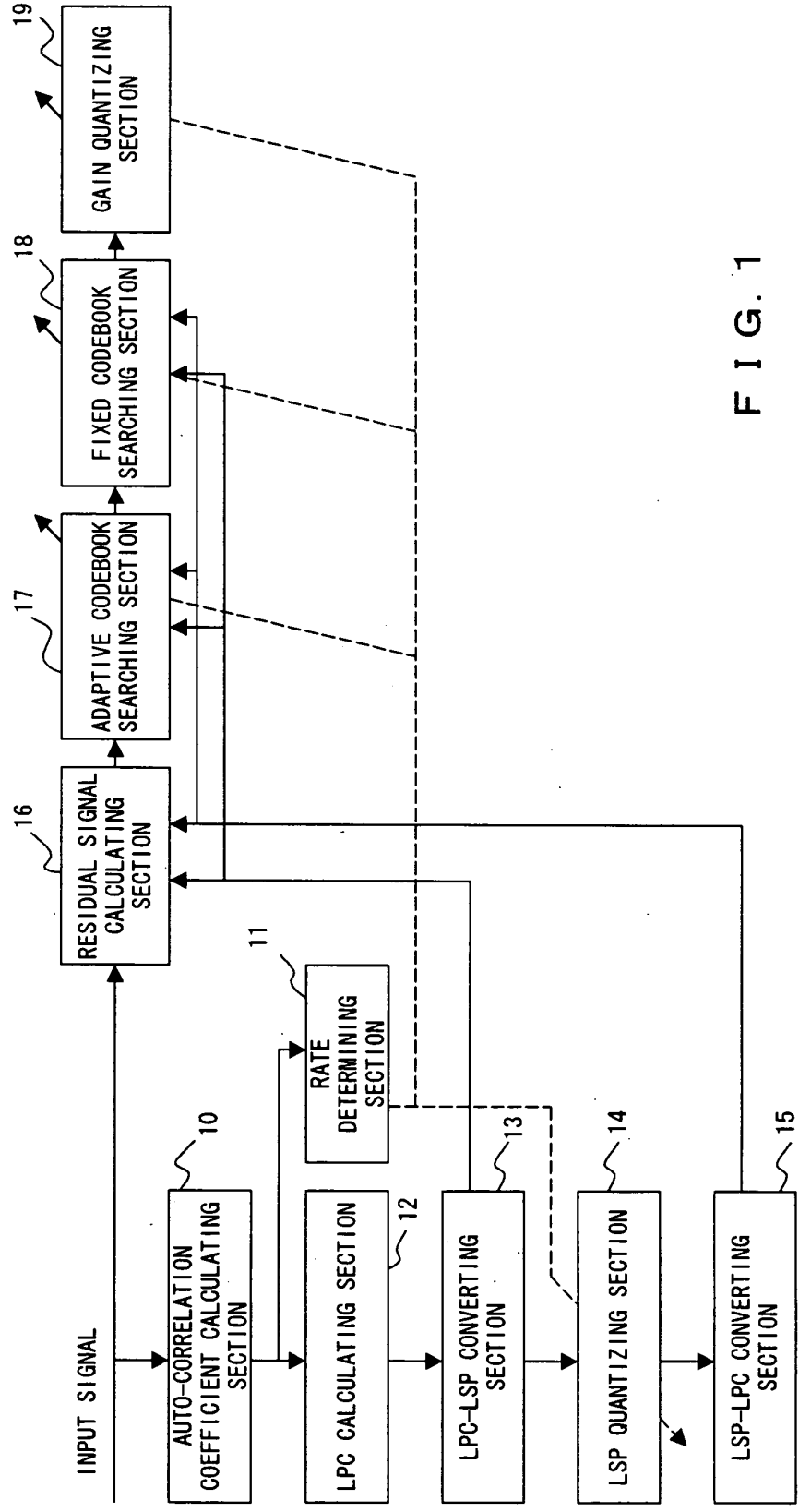


FIG. 1

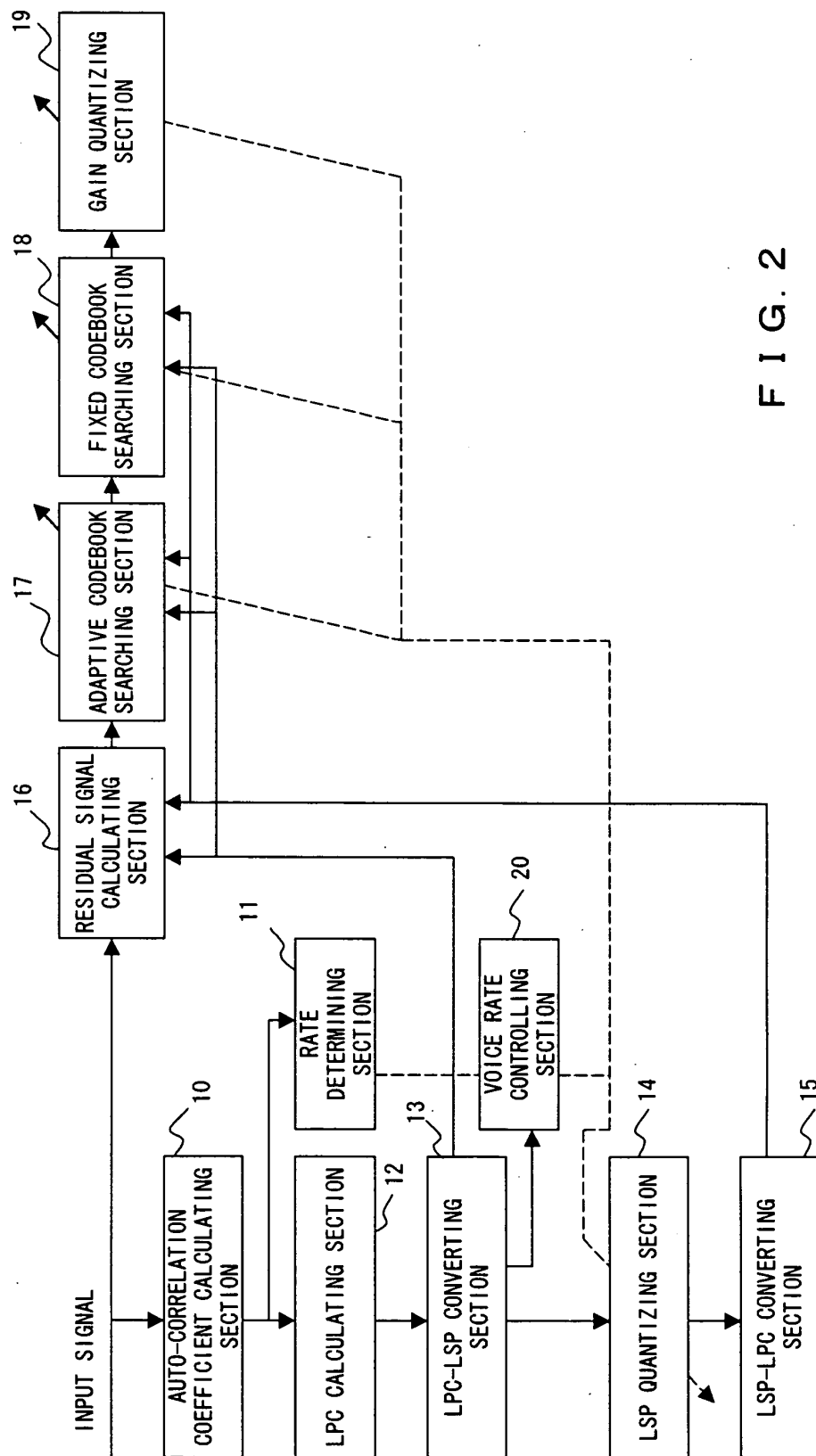


FIG. 2

The graph displays the LPC SPECTRUM. The vertical axis represents the magnitude in decibels (dB), and the horizontal axis represents the frequency. The spectrum curve shows three distinct peaks. Vertical lines are drawn at LSP values 1 through 10, with the peaks of the spectrum occurring at LSP values 2, 4, and 8.

FIG. 3

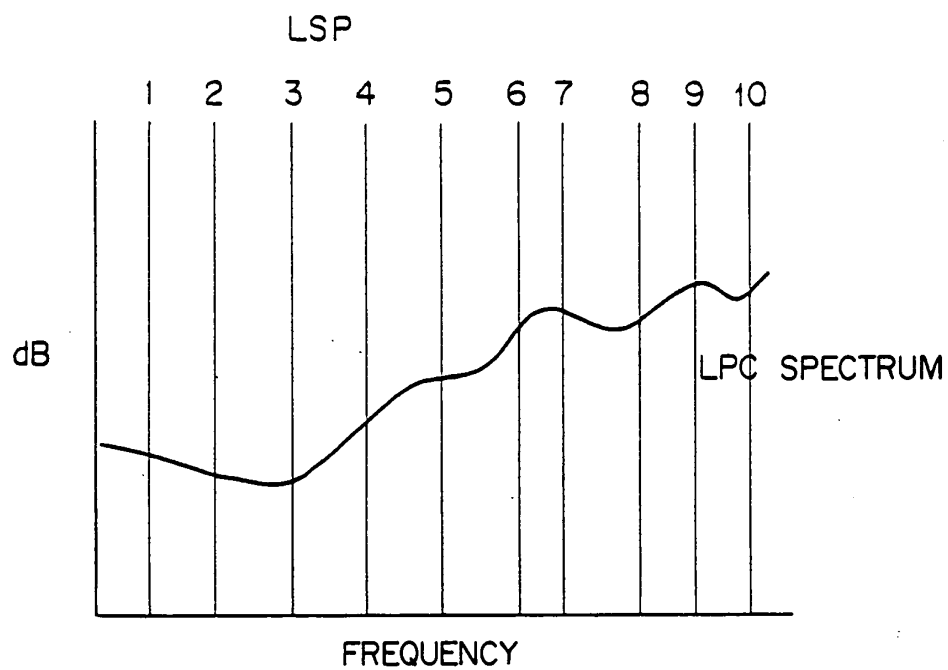


FIG. 4

FIG. 5

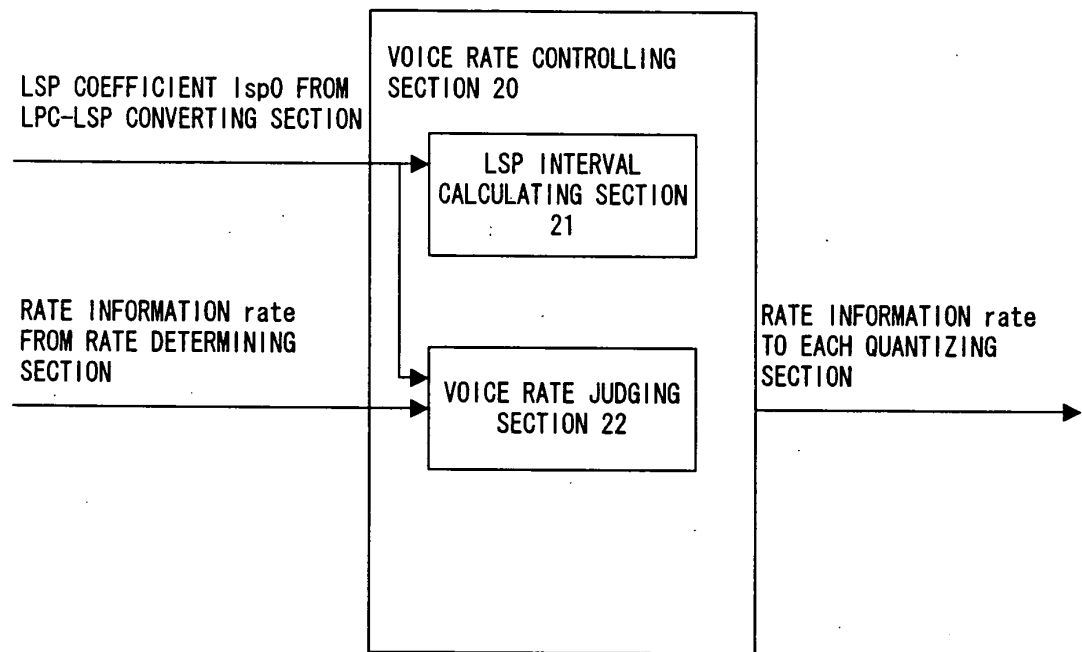
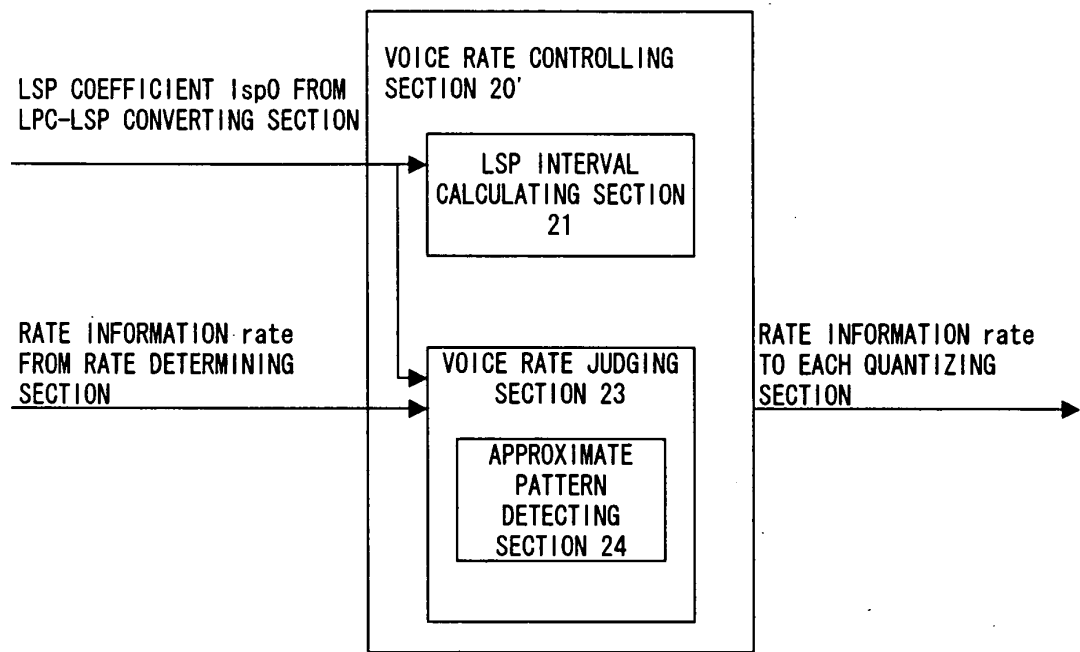


FIG. 5



F I G . 6

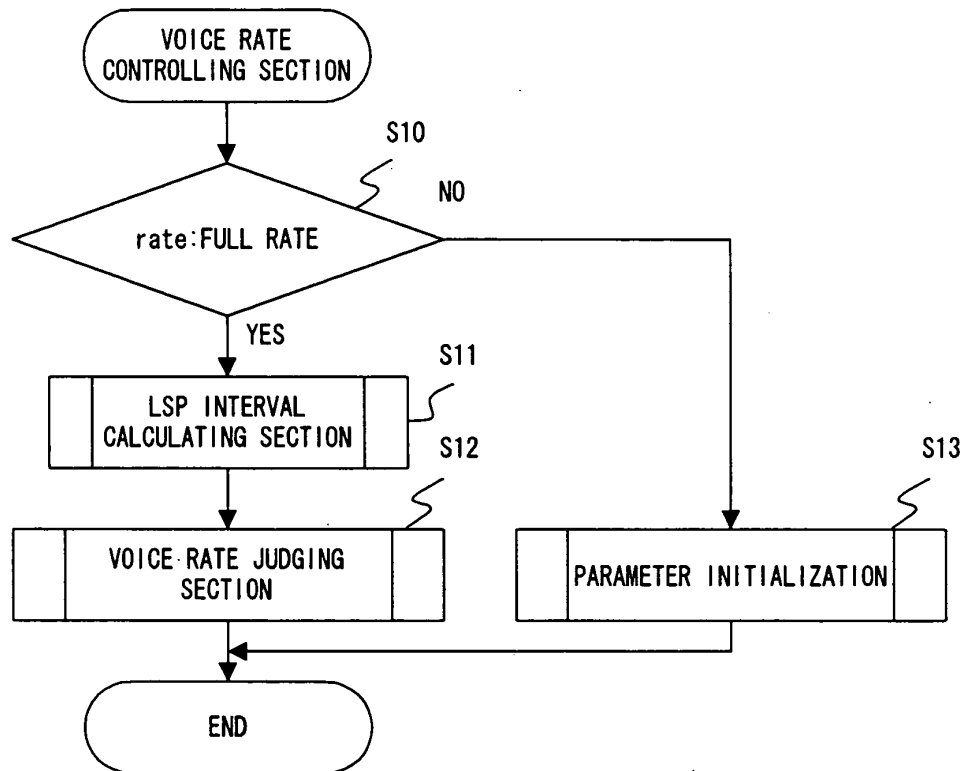


FIG. 7

FIG. 8

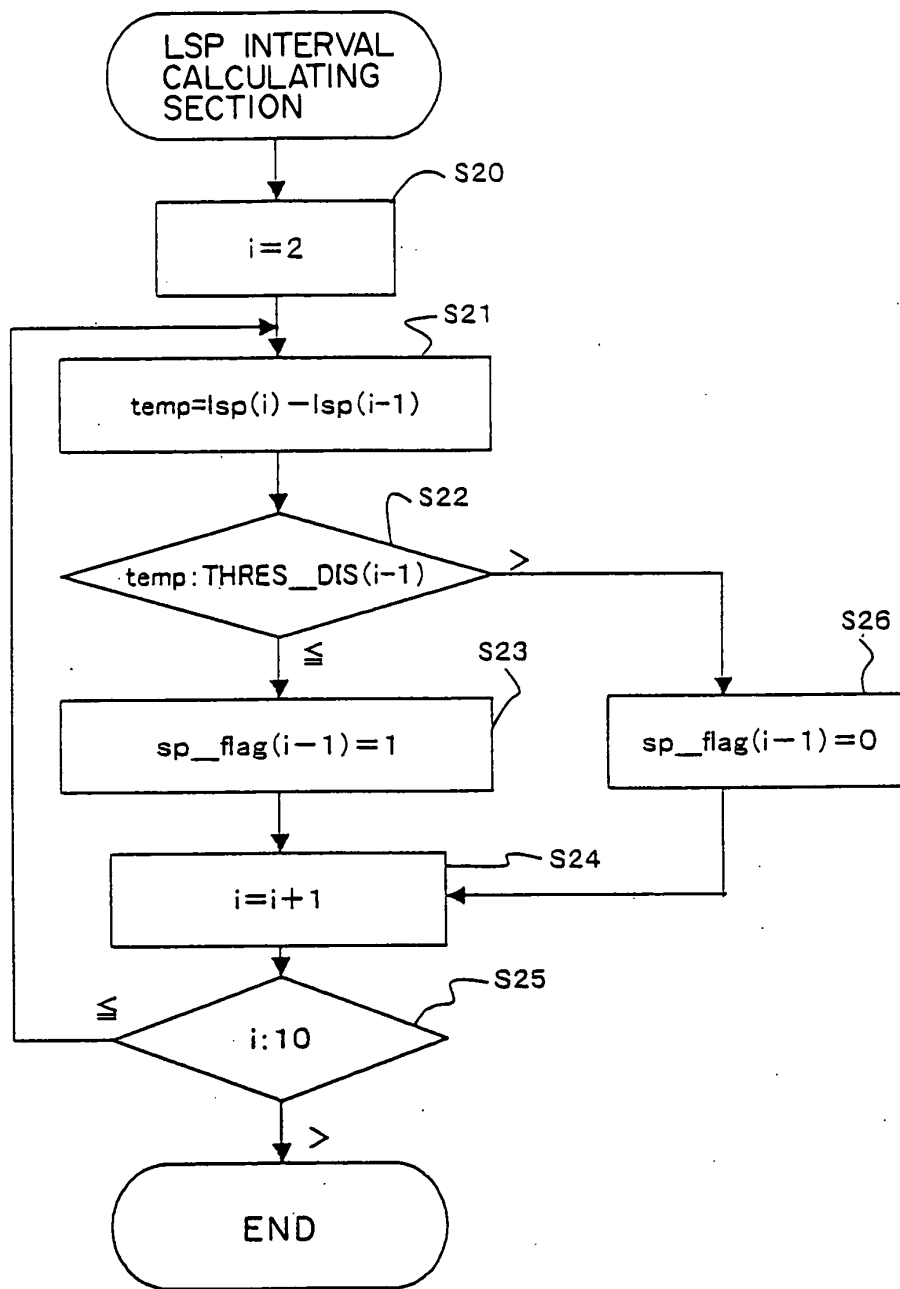


FIG. 8

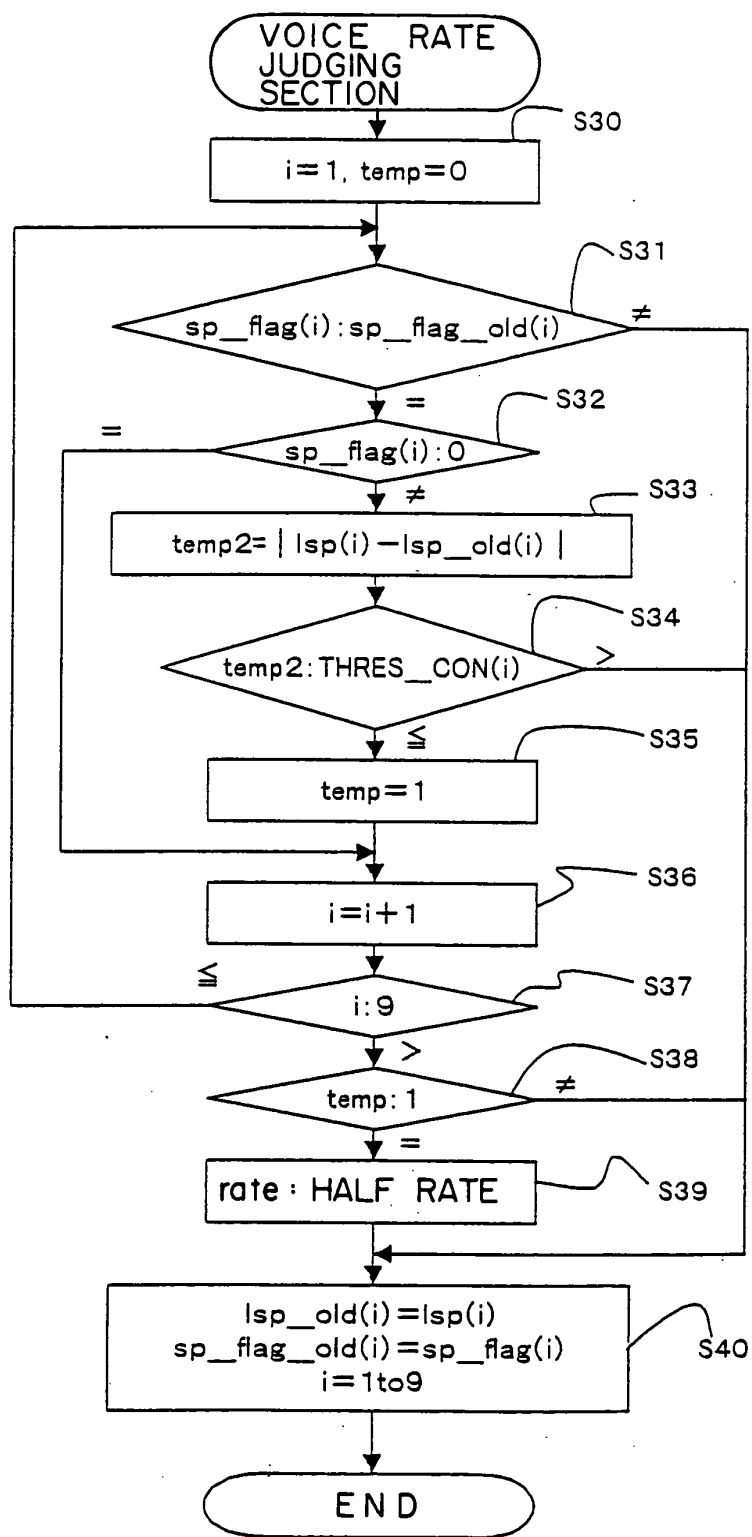


FIG. 9

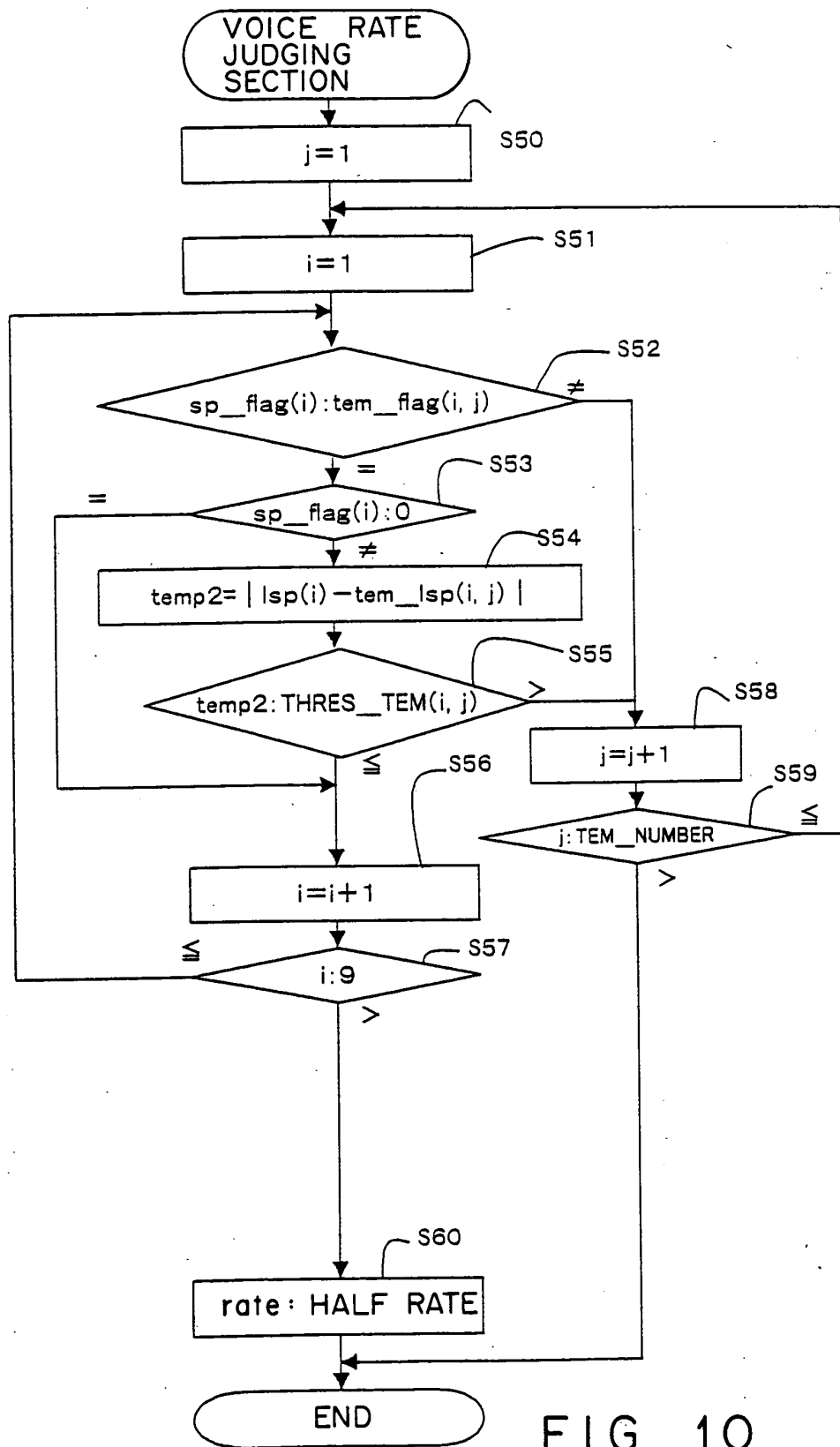


FIG. 10

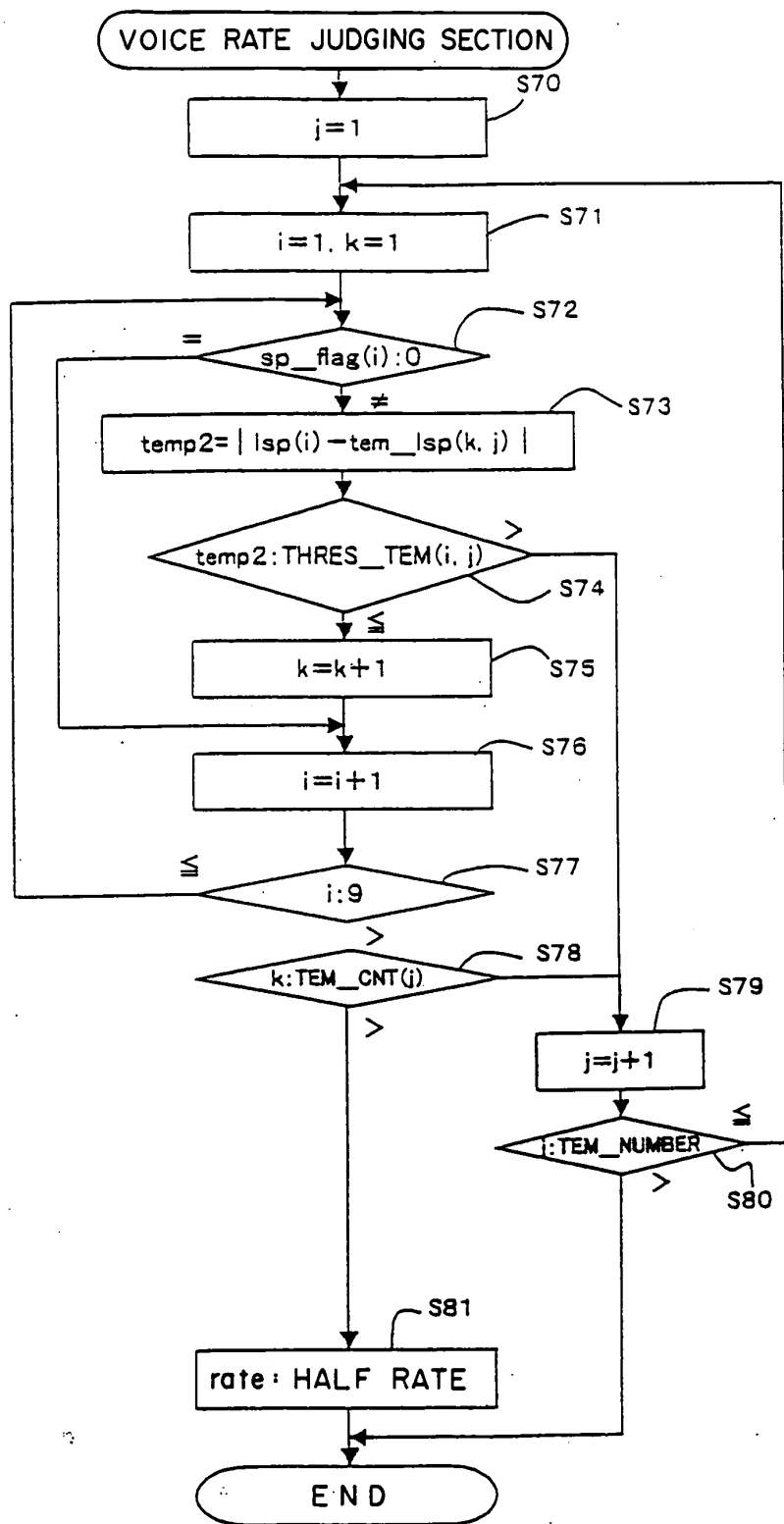


FIG. 11

THRES_DIS(1) ~ (9)

No.	1	2	3	4	5	6	7	8	9
THRESHOLD VALUE	1.0	0.1	0.12	0.12	0.12	0.13	0.14	0.14	0.15

FIG. 13A

THRES_CON(1) ~ (9)

No.	1	2	3	4	5	6	7	8	9
THRESHOLD VALUE	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.10

FIG. 13B

TEM_NUMBER:10 (NUMBER OF TEMPLATES)

tem_flag(1,9)

No. (i=)	1	2	3	4	5	6	7	8	9
THRESHOLD VALUE	0	1	0	1	0	0	1	0	0

tem_lsp(1,9)

No. (i=)	1	2	3	4	5	6	7	8	9
VALUE	0	0.56	0	0.92	0	0	1.90	0	0

THRES_TEM(i,9)

No. (i=)	1	2	3	4	5	6	7	8	9
THRESHOLD VALUE	0	0.2	0	0.3	0	0	0.4	0	0

FIG. 13C

TEM_CNT(j):3 (NUMBER OF PEAK COUNTS)

tem_lsp(k,j)

No. (k=)	1	2	3
VALUE	0.56	0.92	1.90

THRES_TEM(k,j)

No. (k=)	1	2	3
THRESHOLD VALUE	0.2	0.3	0.4

FIG. 13D

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CONSONANT PART

(HEAD PART OF SPEECH)

RISING - UP PART

CONSTANT PART 1

TRANSITION PART

CONSTANT PART 2

FRAME (20 msec)

RATE INFORMATION
rate



FIG. 15

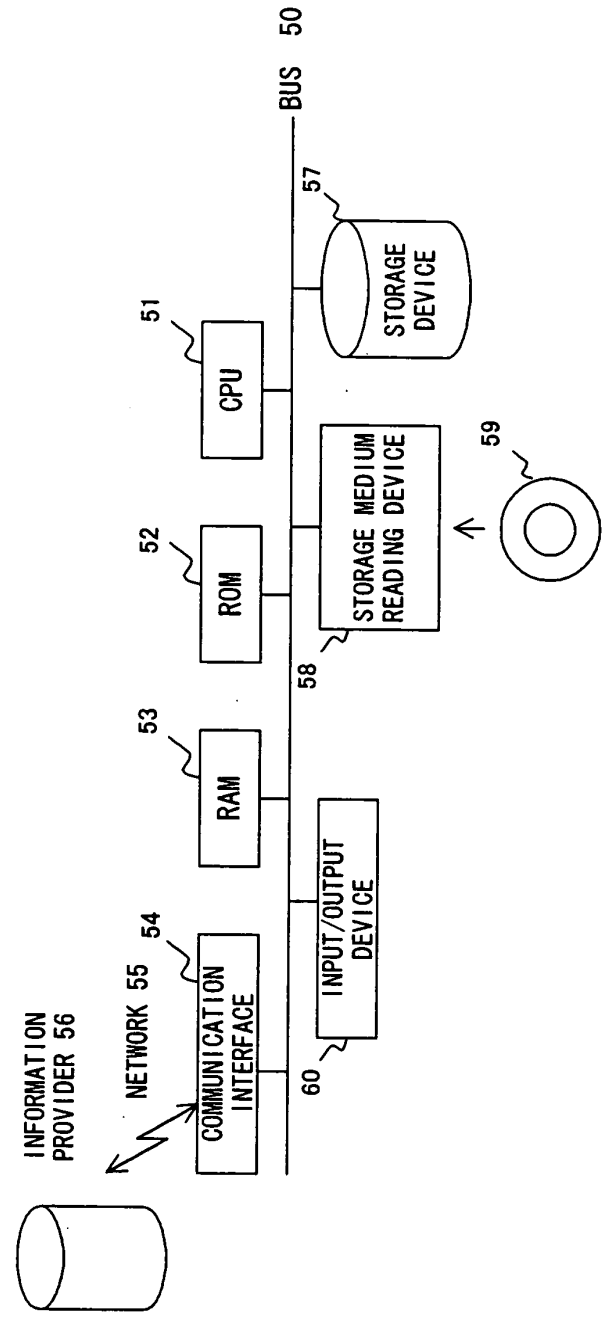


FIG. 15